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Gieseke

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(54) **APPARATUS FOR GRASPING, LIFTING AND MOVING A LARGE PANEL**

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See application file for complete search history.

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(57) **ABSTRACT**

A panel gripping and lifting device (100) having a clamping assembly (105) having a handle assembly (162) rotatably interrelated with a spaced apart opposing jaw assembly (107) by a cam assembly (149). Jaws of the opposing jaw assembly (107) have a planar jaw inner surface (116); when the spacing between the jaws is increased, the planar jaws are fitted on either side of a panel; when the spacing between the jaws is lessened the planar jaws contact surfaces of the panel exerting a gripping force against the panel. When gripping forces are exerted against the panel the handle assembly (162) enables the lifting and moving of the panel such as seated multipane window (220) window frame (200) having an outwardly extending nail fin (210) or a sheet metal panel.

An alternative embodiment has opposing jaws rotating in the same plane and separated by jaw spacing. A first jaw and a second jaw are positioned on either side of a frame channel and, when the embodiment is rotated the jaw spacing is lessened causing the first jaw and the second jaw to clamp against the frame channel thereby allowing lifting of large framed units such as glass door units.

14 Claims, 11 Drawing Sheets

